

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A process for producing a vacuum ultraviolet ray-excited light-emitting phosphor comprising the steps of

mixing a phosphor with a coupling agent comprising an aluminum compound ~~aluminum-based coupling agent~~, and calcining the mixture, wherein the coupling agent contains a 1, 3-diketone structure.

2. (currently amended): The process for producing a vacuum ultraviolet ray-excited light-emitting phosphor according to Claim 1, wherein the phosphor ~~is an aluminate-based phosphor, silicate-based phosphor or rare earth metal oxide-based phosphor~~ comprises an aluminate phosphor compound, a silicate phosphor compound or a rare earth metal oxide phosphor compound.

3. (currently amended): The process for producing a vacuum ultraviolet ray-excited light-emitting phosphor according to Claim 2, wherein the ~~aluminate-based~~ aluminate phosphor compound is $\text{BaMgAl}_{10}\text{O}_{17}:\text{Eu}$ or $\text{BaAl}_{12}\text{O}_{19}:\text{Mn}$, the ~~silicate-based~~ silicate phosphor compound is $\text{Zn}_2\text{SiO}_4:\text{Mn}$, or the rare earth metal ~~oxide-based~~ oxide phosphor compound is $(\text{Y}, \text{Gd})\text{BO}_3:\text{Eu}$, $\text{Y}_2\text{O}_3:\text{Eu}$.

4. (currently amended): The process for producing a vacuum ultraviolet ray-excited light-emitting phosphor according to Claim 1, wherein the content of the ~~aluminum-based~~ coupling agent is from 0.01 to 40 parts by weight based on 100 parts by weight of the phosphor.

5. (canceled).

6. (withdrawn): A phosphor paste comprising a phosphor and an aluminum-based coupling agent.

7. (withdrawn): The phosphor paste according to Claim 6, wherein the phosphor is an aluminate-based phosphor, silicate-based phosphor or rare earth metal oxide-based phosphor.

8. (withdrawn): The phosphor paste according to Claim 7, wherein the aluminate-based phosphor is $\text{BaMgAl}_{10}\text{O}_{17}:\text{Eu}$ or $\text{BaAl}_{12}\text{O}_{19}:\text{Mn}$, the silicate-based phosphor is $\text{Zn}_2\text{SiO}_4:\text{Mn}$, or the rare earth metal oxide-based phosphor is $(\text{Y}, \text{Gd})\text{BO}_3:\text{Eu}$, $\text{Y}_2\text{O}_3:\text{Eu}$.

9. (withdrawn): The phosphor paste according to any of Claims 6, wherein the content of the aluminum-based coupling agent is from 0.01 to 20% parts by weight.

10. (withdrawn): The phosphor paste according to Claim 6, wherein the aluminum-based coupling agent contains a 1, 3-diketone structure.

11. (withdrawn): A plasma display panel containing a vacuum ultraviolet ray-excited light-emitting phosphor obtained by the process according to Claim 1.

12. (withdrawn): A plasma display panel obtained by applying the phosphor paste according to Claim 6.

13. (withdrawn): A rare gas lamp containing a vacuum ultraviolet ray-excited light-emitting phosphor obtained by the process according to Claim 1.

14. (withdrawn): A rare gas lamp obtained by applying the phosphor paste according to Claim 6.